

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



CG

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|---|-----------|---|
| <p>(51) International Patent Classification ⁵ : G01N 33/554, A61K 31/47, 37/02</p> | <p>A1</p> | <p>(11) International Publication Number: WO 95/00848 (43) International Publication Date: 5 January 1995 (05.01.95)</p> |
| <p>(21) International Application Number: PCT/US94/06883 (22) International Filing Date: 17 June 1994 (17.06.94) (30) Priority Data: 08/081,612 23 June 1993 (23.06.93) US 08/261,500 16 June 1994 (16.06.94) US (71) Applicant: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 22nd floor, 300 Lakeside Drive, Oakland, CA 94612-3550 (US). (72) Inventor: SADEE, Wolfgang; 125 Lagunitas, Ross, CA 94957 (US). (74) Agents: ROBBINS, Billy, A. et al.; Robbins, Berliner & Carson, 201 North Figueroa Street, Los Angeles, CA 90012-2628 (US).</p> | | <p>(81) Designated States: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.</p> |
| <p>(54) Title: COMPOSITIONS AND METHODS FOR ANTI-ADDICTIVE NARCOTIC ANALGESIS ACTIVITY SCREENING AND TREATMENTS (57) Abstract The present invention provides assays to measure the regulation of the narcotic analgesic addictive state. Practice of the invention permits classification of test compounds for their effects on an activated opioid μ receptor state. When opioid μ receptor cells are treated with a test composition under investigation, then in one embodiment the propensity of the test composition to elicit a spontaneous cAMP overshoot and an inverse agonist induced cAMP overshoot is determined and serves as a surrogate measure of addiction liability. The inverse agonist induced cAMP overshoot signifies the presence of what is designated as the constitutively active state for the opioid μ receptors. The use of these assays has led to the identification of compounds that have the desired effects on the constitutive activation of the opioid μ receptors. The therapeutic potential of these compounds include treating patients who are addicted to a narcotic analgesic or who have taken an overdose of a narcotic analgesic, or whose pain is being relieved with a narcotic analgesic.</p> | | |